
LD 14: Trunk Data Block

This program allows data blocks for trunks to be created or modified.

When the Overlay is loaded the available system memory and disk records are output in a header as follows:

```
TRK000
MEM AVAIL: (U/P): xxxxxx  USE D: xxxxx  TOT: xxxxxxxx
DISK RECS AVAIL: xxx
TNS AVAIL: (U/P): xxxxxx  USE D: xxxxx  TOT: xxxxxxxx
RAN CON AVAIL: (U/P): xxxxxx  USE D: xxxxx  TOT: xxxxxxxx
MUS CON AVAIL: (U/P): xxxxxx  USE D: xxxxx  TOT: xxxxxxxx
AST SET AVAIL: xxxxx  USED: xxxxx  TOT: xxxxx
```

Incremental Software Management (ISM) also provides a header to indicate system configuration limits. For LD 14, the header appears as follows:

```
TNS AVAIL: xxxxx  USED: xxxxx  TOT: xxxxx
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After making any changes to the trunk data block, IPE trunk cards must be downloaded with **ENLCIs c** command in LD 32.

The Group Hunt/DN Access to SCL package or PLDN package 120 allows an asterisk (*) or double asterisk (**) as a valid input to a number of prompts, usually the asterisk will be part of a dialed number. Without this package, for example, inputting one asterisk will cause the system to reissue the last prompt, and two asterisks will cause a restart of the Overlay at REQ.

With X11 Release 23, the Incremental Software Management header includes Recorded Announcement Broadcast, Music Broadcast connections and Associated trunk ISM information.

Prompts and responses

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, MOV, LCHG, NEW x, or OUT x)
TYPE	a...a	Type of data block (TYPE responses begin on page 206)
T_TN	l ch	Loop number and channel for tandem PRI connection
- IPRI	l ch	Loop number and channel for incoming PRI channel
- OPRI	l ch	Loop number and channel for outgoing PRI channel
MODL	1-127	Option 11 Model number
TN	l s c u	Terminal Number (l s c u ranges are defined on page 206)
DES	x...x	Designator field for trunk (0-16 character alphanumeric)
CDEN	aa	Card Density (aa = SD, DD, 4D, or 8D)
XTRK	a...a	Extended Trunk (a...a = EXUT, XCOT, XDID, XEM, XFEM, or XUT)
FWTM	(NO) YES	Firmware Timing for trunk hook flash
SXS	(NO) YES	Step-by-step CO trunk
SICA	(1)-16	Signaling Category table number
PDCA	(1)-16	Pad Category table number for PRI2,DTI2,JDM,PRI,DTI trunks
PCML	aa	Pulse Code Modulation Law (aa = MU or A)
TOTN	l s c u	TO Terminal Number
DDSL	0-15	Digital DASS2/DPNSS Signaling Link (NT hardware)
DTSL	0-159	Digital Trunk Signaling Link (GPT hardware)
SIGL	aaa	Level 3 Signaling
CUST	xx	Customer number associated with this trunk
SFEX	(NO) YES	Special digital FEX trunk
AST	(NO) YES	Associated trunk for CTI trunk Monitoring and Control
IAPG	(0) - 15	Event Group for USM message
NCOS	xx	Network Class of Service group
RTMB	0-127 1-126	Route number, Member number
CONN	(4) - 48	Maximum number of broadcast connections allowed for this trunk.
INC	(YES) NO	Increasing channel numbers and decreasing member numbers
PRI0	aaa	Priority designation (aaa = (XHP) or YLP)
CHID	1-382	Channel ID for this trunk.
SREF	1-9999999	ISDN Semi Permanent Connection (ISPC) Reference Number

SDCH	(NO) YES	Is the ISPC link used by a D-channel?
SMAS	(NO) YES	Is this ISPC acting as a MASTER when connecting data interfaces to the ISPC link?
MTN	I s c u	Modem Terminal Number (I s c u ranges are defined on page 206)
PRDN	xxxx	Private Line Directory Number
CMF	(NO) YES	Call Modification Features restriction
RLDN	xxxx	Release Link Trunk Directory Number
NGRP	(0)-9	Night Service Group number
NITE	xxxx	Night Service directory number
ATDN	xxxx	Auto Terminate DN
MNDN	xxxx	Manual Directory Number
TGAR	0-(1)-31	Trunk Group Access Restriction
SIGL	aaa	Trunk Signaling (SIGL responses begin on page 199)
XDIC	aaa	Outpulsing for DIC trunks (aaa = (MUT) or NOR)
EMTY	aaa	E & M Type (aaa = (TY2), TY1, or BPO)
CPAD	a...a	Carrier Pad out or Carrier Pad in for 4-wire E & M duplex trunks (a...a = (COUT) or CIN)
LDOP	a...a	Loop Dial Outpulsing (a...a = (LOOP) or BOP)
TIMP	x...x	Termination Impedance
BIMP	a...a	Balance Impedance (a...a = (3COM), 600, 900, or 3CM2)
AUTO_BIMP		
	(NO) YES	Automatic Balance Impedance Option
STRI	a...a	Start arrangement Incoming (a...a = DDL, IMM, OWK, PTSD, SACK, RT, or WNK)
STRO	a...a	Start arrangement Outgoing (a...a = DDL, IMM, OWK, PTSD, SACK, RT, or WNK)
SUPN	(NO) YES	Answer and disconnect Supervision required
- STYP	a...a	Supervision Type (a...a = ARF, BAT, BST, BTS, JDID, JCO, LBS, PIP, and PSP)
SEIZ	(NO) YES	Automatic Guard Detection for outgoing trunk
PPID	(0)-15	Periodic Pulse Metering country ID
BTID	(0)-15	Busy Tone country ID
CLS	a...a	Class of Service (CLS responses begin on page 187)
MFL	(0)-15	Multifrequency digit level
MFLI	(0) 1	Multifrequency transmit level identifier

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MFPD	(NO) YES	Multifrequency PAD
BTDT	(0) -7	Busy Tone Detection Table
FCAR	(NO) YES	Forced Charge Account
ADID	xxxx	AIOD four-digit Trunk Identifier
TKID	nnnnnnn	Trunk Identifier
DTCR	(NO) YES	Digit Collection Ready
CFLP	0-159	Music Conference Loop

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ADID	xxxx	AIOD four-digit Trunk Identifier Represents the last 4-digits of the unique telephone number of a trunk that has AIOD service. The calling number received over an AID trunk is associated with the outgoing trunk used to make the call.	aiod-1
AST	(NO) YES	Associated trunk for CTI trunk Monitoring and Control	basic-23
ATDN	x...x	Auto Terminate DN This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. A Group Hunt pilot DN can be entered. If a DNIS route is defined, then the response can only be an ACD DN. If no DN is assigned, the NITE number of the trunk will be used. Must have AUTO = YES in LD 16. Not prompted for Option 11 models.	disa-1
AUTO_BIMP	(NO) YES	Enable Automatic Balance Impedance Option. Prompted only for EXUT type trunks. Not supported on Release 23 dual Busy Tone Detection pack (NT5D31).	btd- 23
BIMP	(3COM) 600 900 3CM2	3-component Complex Impedance Not prompted for RAN which exclusively uses 600 Not prompted for XEM trunks For XUT trunks, the Termination Impedance (TIMP) must be compatible with the Balance Impedance (BIMP). See prompt TIMP for allowed combinations of BIMP/TIMP. When using the Enhanced Universal Trunk card Release 19, only 600 or 900 $\frac{3}{4}$ terminating impedance is allowed. However, more Terminating and Balance Impedance (BIMP) combinations are available. With Release 23, in the case of AUTO_BIMP, this BIMP value will be used as default value if an optimum AUTO_BIMP is not found or if the AUTO_BIMP test is not complete.	tip/ xpe-19
			btd- 23

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Prompt	Response	Comment	Pack/Rel
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The Terminating and Balance Impedance options are listed below.

TIMPBIMP

600 600
600 3COM
900 3COM
900 900
900 3CM2
600 3CM2

BTDT	(0)-7	Busy Tone Detection Table The BTID table must be defined in LD 97. BTDT is mutually exclusive with BTID.	btd-21
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BTID	xxxx	Busy Tone country ID This must be configured for a BTS supervised XCOT trunk. One BTID type per card. Trunks must be removed from card to change BTID. BTDT is mutually exclusive with BTDT.	btd-21
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Busy Tone ID Recommended Country

0-2	Reserved for future use
3	Germany, Ireland
4	Switzerland
5	Denmark
6	Norway, Kuwait, Chile, Venezuela, Indonesia, Thailand, Korea
7	Holland
8	Australia, Mexico
9	Ireland
10	Taiwan, Brazil, Tortola, Mexico
11	Singapore
12	Argentina, Italy
13	Lebanon, Italy
14	Turkey
15	Reserved for future use

Prompt	Response	Comment	Pack/Rel
CDEN	SD DD 4D 8D	Card Density Single Density Double Density Quad Density for XCOT only Octal Density for XCOT only and there is no default. Not prompted for superloops or Option 11 models.	basic-7
CFLP	0-159	Music Conference Loop	mus-1
CHID	1-382	Channel ID for this trunk Prompted when the Route specified has ISL enabled in LD 16. The number of ISL trunks allowed for the D-channel is specified in LD 17. A different channel ID is requested for each Phantom TN which is used for ISPC links. The same channel ID must be configured for the same ISPC reference number on both PBXs linked by the connection.	isl-12
CIST	(NO) YES	Incoming CIS three wire trunk is not a toll trunk Incoming CIS three wire trunk is a toll trunk CIST appears for trunks when sigl = CIS. Only prompted for incoming route.	cist-21
CLS		Class of Service options for trunks. Defaults are shown in parantheses. Enter each non-default option required, followed by a space.	basic-1
	(APN) APY	ACD Priority not required ACD Priority required Applies only to COT, WAT, DID and FEX trunks.	bacd-1
	(BARD) BARA	Barring Denied Barring Allowed	basic-7
	CMFS	CMFS trunk register signaling means that the CIS MF Shuttle protocol is supported by the trunk. CMFS may be defined only for trunks on CDTI2/CSDTI2 with "CISFW=MFS" and only if both the MFS and CIST Packages are equipped.	cismfs- 23

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Prompt	Response	Comment	Pack/Rel
	(CND) CNA	Calling party Denied Calling party Allowed Allowed for L1 Multifrequency Compelled Signaling and R2 MFC trunks. Automatic Number Identification is denied for an Outgoing Loop Start (LOP) Central Office Trunk (COT). Must have Commonwealth of Independent States (CIST) package 221 or Multifrequency Compelled Signaling (MFC) package 128.	mfc-21
	(CORX) CORP	Central Office Ringback not provided by SL-1 Central Office Ringback provided by SL-1	supp-14
	(DIP) DIPF	Dial Pulse DIPF trunk register signaling requires that DP digit collection be performed by firmware. Applies to CDTI2 or CSDTI2.	basic-21
	DTN MFC	Digitone R2 Multifrequency Compelled Signaling. With Release 21, MFC can be configured on 1.5 DTI routes.	
	MFE MFK MFR MFX	Multifrequency Signaling for Socotel Multifrequency Signaling for KD3 Multifrequency Receiver for Feature Group D Mixed Signaling (MFC/DTMF)	basic-20
	(DRPD) DRPA	DTR PAD value Denied DTR PAD value Allowed Can only be configured for 2.0 Mb/s DID with DTI2 enabled.	dti2-10
	(ECD) ECA	Echo Canceling Denied Echo Canceling Allowed ECA indicates Echo suppression equipment is connected to trunk.	basic-1
	(HKD) HKA	Hong Kong DTI Denied Hong Kong DTI Allowed May only be used with DTI TNs with DTN CLS on DID or TIE routes.	basic-6
	(LNT) JDID	Loop Start Non-supervisory Trunk Japan DID (JDID not valid for XCOT trunks)	xutj-16

Prompt	Response	Comment	Pack/Rel
	JCO	Japan CO capabilities allowed. JCO should only be accepted with SIGL = LOP. Japan PSTN trunks, (QPC686), not allowed for XUT/XEM. With Release 20 and later, answer NO to prompt SUPN for an unsupervised trunk, instead of using LNT. For supervised trunks answer YES to SUPN then enter the appropriate supervision type at prompt STYP.	
	(LPR) HPR	Low Priority High Priority DID and TIE trunks should use HPR and be installed in card slot 1. Superloops do not require any trunks assigned as high priority.	basic-1
	(MID) MIA	Manual Incoming Denied Manual Incoming Allowed	basic-1
	(P10) P12 P20	Make-break ratio for dial pulse dialing 10 pulses per second (see explanation below) 20 pulses per second In Release 14 and earlier: • P10 = 10 pulses per second (pps) • P20 = 20 pulses per second (pps) In Release 15, the P12 option was added where: • P10 = primary 10 pps make-break ratio of 50% • P12 = secondary 10 pps make-break ratio of 50% In Release 16, all three make-break ratios can be set for XUT, XUTJ and XEM trunks. See prompts P10R, P12R and P20R in LD 97. Use P10 for PPS1 and P12 for PPS2 XUT/XEM trunksFor Option 11, P10 and P12 is also used for DTI/DTI2 trunks. P12 applies only to XUT, XUTJ and XEM trunks.	basic-21

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Prompt	Response	Comment	Pack/Rel
	(PIP)	Polarity Insensitive Pack. (PIP is used for QPC330 and QPC331 packs)	basic-10
	PSP	Polarity Sensitive Pack (use PSP for QPC218, QPC219 and QPC295 packs). When using PSP in North America, the trunk route should have message registration set to reverse battery; the LD 16 prompt MR should be set to RVB.	
	BST	Battery Supervised pack (SIGL = LOP is required) For loop start trunks with Answer Supervision in U.S., the NT8D14 Universal Trunk does not provide Message Registration, PPM or PIP operation. For Release 18, this can be used for Answer Supervision on Ground Start trunks. Not valid for XCOT trunks.	basic-4
	SHL LOL	Short line Class of Service Long line Class of Service SHL replaces NTC and LOL replaces TRC and VNL for XDID and XCOT trunks.	basic-20
	(THFD) THFA	Centrex Switchhook Flash Denied Centrex Switchhook Flash Allowed	basic-14
	TRC NTC VNL	Transmission Class of Service Transmission Compensated Non-Transmission Compensated Via Net Loss The default depends on the signaling type (SIGL) • DX2 = VNL • DX4 = VNL • EAM = VNL • EM4 = VNL • GRD = NTC (default changed to TRC in Release 17) • LDR = NTC (default changed to TRC in Release 17) • LOP = NTC (default changed to TRC in Release 17) • OAD = NTC Release 19 and later VNL Class of Service is allowed with Universal Trunk Tie trunks.	tip-19

Prompt	Response	Comment	Pack/Rel
		For XDID and XCOT cards in Release 16 and later: • NTC is replaced by SHL • TRC and VNL are replaced by LOL Existing databases will be converted automatically. For EM4 and WR4, AC15 = 2280 Hz. on XFEM trunks: • NTC and VNL are equivalent to TIE designation • TRC is equivalent to LINK designation • TIE = PBX-PBX connections via leased line • LINK = PBX-PBX connections on-premises	
(CTD)		Conditionally Toll Denied. CTD is the default for trunk types: TIE, CSA, ATVN, FGD, and IDA	
CUN		Conditionally Unrestricted	
FR1		Fully Restricted class 1	
FR2		Fully Restricted class 2	
FRE		Fully Restricted	
SRE		Semi-Restricted	
TLD		Toll Denied	
UNR		Unrestricted. Only UNR is allowed for CO, FX and WATS trunks. UNR is the default for all trunk types <i>except</i> : TIE, CSA, ATVN, FGD, and IDA	
(WTA)		Warning Tone Allowed	basic-7
WTD		Warning Tone Denied	
(XARF)		ARF Supervised COT denied	basic-7
ARF		ARF Supervised COT allowed Must have TYPE = COT, XTRK = XCOT and SIGL = LOP. With Release 20 and later, answer YES to prompt SUPN then enter the appropriate supervision type at prompt STYP.	
(XBAT)		Battery Supervised COT denied	basic-7
BAT		Battery Supervised COT allowed With Release 20 and later answer YES to prompt SUPN then enter the appropriate Supervision Type at prompt STYP. Must have TYPE = COT, XTRK = XCOT and SIGL = LOP.	

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Prompt	Response	Comment	Pack/Rel
	(XBTS) BTS	Busy Tone Supervised COT denied Busy Tone Supervised COT allowed With Release 20 and later, answer YES to prompt SUPN and then enter the appropriate supervision type at prompt STYP.	basic-7
	(XLBS) LBS	Loop Break Supervised COT denied Loop Break Supervised COT allowed With Release 20 and later answer YES to prompt SUPN and then enter the appropriate Supervision Type at prompt STYP. Must have TYPE = COT, XTRK = XCOT and SIGL = LOP.	basic-7
	(XREP) RVEP	Reversed Ear Piece denied Reversed Ear Piece allowed The E-lead is reversed for a radio paging trunk	rpa-15
CMF	(NO) YES	Call Modification restriction Call Modifications allowed Call Modifications not allowed	basic-1
CONN	(4) - 48	Define the maximum number of broadcast connections allowed for this trunk.	ranbrd- 23 ran- 23
CPAD	(COUT) CIN	Carrier Pad Out for 4-wire E & M duplex trunks Carrier Pad In for 4-wire E & M duplex trunks With CPAD = CIN, a 7 dB pad attenuates the trunk input and a 16 dB pad attenuates the trunk output.	xpe-15
CUST	xx	Customer number (defined in LD 15 and prompted when REQ = NEW)	basic-1
DDSL	0-15	Digital DASS2/DPNSS Signaling Link DASS2/DPNSS D-channel	basic-7
DES	x...x	Designator field for trunk groups of 0-16 alphanumeric characters (DES is an optional entry)	basic-22

Prompt	Response	Comment	Pack/Rel
DTCR	(NO) YES	Digit Collection Ready Send acknowledge when digit collection resources such as DTR, MFC, and S/R are ready and attached. Prompted when TYPE = DID and CLS = DTN. Prompted with International Supplementary Features (SUPP) package 131. Prompted when the incoming trunk is analog, answer supervision is on, and EOS is set to BSY.	basic-7
DTSL	0-159	Digital Trunk Signaling Link DASS2/DPNSS Signaling Link Not supported on Option 11	basic-7
EMTY	(TY2) TY1 BPO X	E & M Type 4-wire E&M Type 2 4-wire E&M Type 1 4 wire E&M British Post Office. (BPO is allowed if TYPE = XFEM and SIGL = EAM or EM4) Precede with X to delete	xpe-15
FCAR	(NO) YES	Forced Charge Account	chg-1
FWTM	(NO) YES	Firmware Timing for Trunk Hook Flash is not used by the card Firmware timing for Trunk Hook Flash is used by the card This prompt appears if Collect Call Blocking (CCB) package 290, Malicious Call Trace (MCT) package 107 or Trunk Hook Flash (THF) package 157 are enabled.	ccb-21
IAPG	(0) - 15	Event Group for USM message	basic-23
INC	(YES) NO	Increasing channel numbers and member numbers Increasing channel numbers and decreasing member numbers	basic-7
IPRI	I ch	Incoming PRI channel This is the PRI channel through which the Meridian 1 gains access to the PSPDN. Where: • Loop = PRI loop number • Channel = PRI channel that holds the incoming nailed up connection (between 1-23)	mph-19

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Prompt	Response	Comment	Pack/Rel
LDOP	(LOOP) BOP	Loop Dial Outpulsing Loop outpulsing for Loop Dial Repeating signalling Battery Outpulsing for Loop Dial Repeating signalling	xpe-15
MFL	(0)-15	Multifrequency digit level. MFL is not prompted for Option 11C. Expanded from 0-7 to 0-15 for Meridian 1 for superloop only. Enter the MFC digit level required for signals to the Public Switched Telephone Network (PSTN). Non-superloop codes and values: <u>Codes</u> <u>Level Values</u> (0) - 5 dBm 1 - 8 dBm 2 - 9 dBm 3 - 10 dBm 4 - 11 dBm 5 - 12 dBm 6 - 13 dBm 7 - 32 dBm Superloop codes and values: <u>Codes</u> <u>Level Values</u> (0) - 8 dBm 1 - 11 dBm 2 - 12 dBm 3 - 13 dBm 4 - 14 dBm 5 - 15 dBm 6 - 16 dBm 7 - 31 dBm 8 - 4 dBm 9 - 5 dBm 10 - 6 dBm 11 - 7 dBm 12 - 9 dBm 13 - 10 dBm 14 Spare 15 Spare	basic-2

Prompt	Response	Comment	Pack/Rel
MFLI		Multifrequency transmit level identifier. MFLI is prompted exclusively for the Option 11C. MFLI is prompted when CLS = MFC, MFE, or MFK.	opt11c-22
	(0)	Use multifrequency transmit levels as defined for MFTL0 in LD 97.	
	1	Use multifrequency transmit levels defined for MFTL1 in LD 97.	
MFPD	(NO) YES	Multifrequency PAD MFPD is prompted if CLS = TLD, CUN or CTD, and if the trunk type is CSA or TIE. TLD is recommended. MFPD is not prompted if the route is 1.5 DTI and CLS= MFC.	basic-3
MNDN	x...x	Manual Directory Number This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. A Group Hunt pilot DN can be entered. CLS should be MIA.	basic-1
MODL	1-127	Option 11 Model number	basic-14
MTN	l s c u	This Modem Terminal Number can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. A Group Hunt pilot DN can be entered. CLS should be MIA.	amp-5
	c u	For Option 11	basic-7
NCOS		Network Class of Service group	ncos-1
	(0)-3	CDP	
	(0)-7	BARS or NFCR	
	(0)-15	NARS	
	(0)-99	Release 13 and later	
NGRP	(0)-9	Night Service Group number NGRP appears when ENS = YES in LD15. This prompt replaces the NITE prompt. If ENS is changed from NO to YES while Night Service is in effect, the system verifies that the NITE number defined is a group number or a DN. If a night DN or 0000 is defined, the existing NITE number is used.	basic-2

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Prompt	Response	Comment	Pack/Rel
NITE	x...x	Night Service directory number This DN can be up to 4 digits, up to seven digits with Directory Number Expansion (DNXP) package 150. A Group Hunt pilot DN can be entered. Night Service applies to trunks terminating at the attendant. This prompt takes precedence over the NITE and NIT1-NIT4 prompts in LD 15. If a DN is defined here, the call goes to this DN. If there is no DN here, the call goes to the defined LD 15 NITE prompts. Precede with X to remove.	basic-1
OPRI	I ch	Outgoing PRI channel (the PRI channel through which the Meridian 1 gains access to the PSPDN) Where: Loop = PRI loop number and Channel = PRI channel that holds the outgoing nailed up connection (between 1-23).	mph-19
PCML	MU A	Pulse Code Modulation Law Mu-law A-law PCML is not prompted for JDML loops. Prompted if loop is PRI2, DTI2, or if loop is PRI/DTI and is equipped with International 1.5/2.0 Mb/s Gateway (GPRI) package 167.	dti 2-15
PDCA	(1)-16	Pad Category table number The PAD table must be defined in LD 73 first.	dti 2-15

Prompt	Response	Comment	Pack/Rel																																	
PPID	xx	Periodic Pulse Metering (PPM) country ID Must be configured if PPM is enabled. One PPID type per card. Trunks must be removed from card to change PPID. <table><tr><th>PPMID</th><th>Frequency</th><th>Recommended Country</th></tr><tr><td>(0)</td><td>50 Hz</td><td>UK</td></tr><tr><td>1</td><td>12 kHz</td><td>France</td></tr><tr><td>2</td><td>50 Hz</td><td>France</td></tr><tr><td>3</td><td>16 kHz</td><td>Germany, Turkey, Egypt, Venezuela, Indonesia, Finland</td></tr><tr><td>4</td><td>12 kHz</td><td>Switzerland, Ireland, Portugal, Italy, Spain, Lebanon, Turkey</td></tr><tr><td>5</td><td>12 kHz</td><td>Denmark</td></tr><tr><td>6</td><td>16 kHz</td><td>Norway, Belgium</td></tr><tr><td>7</td><td>50 Hz</td><td>Holland</td></tr><tr><td>8</td><td>12 kHz/50 Hz</td><td>Australia (two different packs)</td></tr><tr><td>9-15</td><td>-----</td><td>Reserved for future use</td></tr></table>	PPMID	Frequency	Recommended Country	(0)	50 Hz	UK	1	12 kHz	France	2	50 Hz	France	3	16 kHz	Germany, Turkey, Egypt, Venezuela, Indonesia, Finland	4	12 kHz	Switzerland, Ireland, Portugal, Italy, Spain, Lebanon, Turkey	5	12 kHz	Denmark	6	16 kHz	Norway, Belgium	7	50 Hz	Holland	8	12 kHz/50 Hz	Australia (two different packs)	9-15	-----	Reserved for future use	basic-7
PPMID	Frequency	Recommended Country																																		
(0)	50 Hz	UK																																		
1	12 kHz	France																																		
2	50 Hz	France																																		
3	16 kHz	Germany, Turkey, Egypt, Venezuela, Indonesia, Finland																																		
4	12 kHz	Switzerland, Ireland, Portugal, Italy, Spain, Lebanon, Turkey																																		
5	12 kHz	Denmark																																		
6	16 kHz	Norway, Belgium																																		
7	50 Hz	Holland																																		
8	12 kHz/50 Hz	Australia (two different packs)																																		
9-15	-----	Reserved for future use																																		
PRDN	x...x	Private Line Directory Number PRDN must be defined in LD 11. This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	basic-1																																	
PRI0	(XHP) YLP	Priority designation. Prompted if SIGL = DPN. X High Priority Y Low Priority Used to determine which end has priority in a glare condition, where both sides seize the trunk at same time. XHP always has priority over YLP.	basic-7																																	

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Prompt	Response	Comment	Pack/Rel
REQ		Request	basic-1
	CHG	Change existing data block	
	END	Exit overlay program	
	LCHG	Print date and time that a trunk data block was last changed. The change can be the result of a NEW, OUT, or CHG command.	
	MOV	Move data block from one TN to another. Not valid for Option 11 models. MOV cannot be used to move a Phantom TN.	
	NEW x	Add new data block to the system. Follow NEW with a value of 1-255 to create that number of consecutive trunks. You are not allowed to create more than one Phantom TN at a time. When a value different than 1 is entered for the creation of a Phantom TN, it is simply ignored and only one TN is created.	
	OUT x	Remove data block. Follow OUT with a value of 1-255 to remove that number of consecutive trunks.	
RLDN	x...x	Release Link trunk Directory Number This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	cas-1
RTMB	0-127 1-254	Route number and Member number	basic-1
	0-511 1-254	Route number and Member number for Release 14 and later. This range applies for machine types NT, RT, STE, XN, and XT and System Options 21E, 51, 51C, 61,61C, 71, 81, and 81C. B-Channel Signaling is output if CHTY = BCH in LD 16. A/B Bit Signaling is output if CHTY = ABCH in LD 16. To use the ISDN Semi Permanent Connection (ISPC) link, this entry must be an ISL TIE route.	
SDCH	(NO) YES	The ISPC link is not used by a D-channel The ISPC link is used by a D-channel	ispc-22
SEIZ	(NO) YES	Automatic Guard Detection for outgoing trunk	basic-2
SFEX	(NO) YES	Special digital FEX trunk This is used on Digital Trunk Interface (DTI).	dti-5

Prompt	Response	Comment	Pack/Rel
SICA	(1)-16	Signaling Category table number The Digital Signaling Category table must be defined first. See FEAT = ABCD in LD 73. Default is 16 if loop type = JDML.	dti 2-15
SIGL		Level 3 signaling	tip-21
	ALS APNS	ALS signaling on COT trunk with ground start Alternate Private Network Signaling System	
	CIS	CIS three wire trunk signaling for IPE. Commonwealth of Independent States (CIST) package 221 is required.	
	DAS	Digital Access Signaling System Number 2. This is allowed if DASS2 package 124 is equipped and PRIV = NO in DTSL data block in LD 74.	
	DPN	Digital Private Network Signaling System Number 1, allowed for DPNSS package 123.	
	DX2 DX4	2-wire duplex 4-wire duplex. The Enhanced Universal Trunk card with Release 19 and later uses DX4 signaling.	
	EAM EM4	E&M 2-wire E&M 4-wire	
	GRD LDC	Ground start Loop calling, Disconnect Clear. Accepted when TYPE = COT and UK package is equipped.	
	LDR LGR	Loop Dial Repeating Loop calling, Guarded Release. Accepted when TYPE = COT and UK package is equipped.	
	LOP	Loop start	
	OAD WR4	Outgoing Automatic, incoming dial AC15 = 2280 Hz, 4-wire	

LD 14

Prompt	Response	Comment	Pack/Rel
SMAS	(NO)	This ISPC is not acting as a MASTER when connecting data interfaces to the ISPC link	ispc-22
	YES	This ISPC is acting as a MASTER when connecting data interfaces to the ISPC link SMAS is prompted when SDCH =YES. When the ISPC link is used to convey D-channel signaling, it is mandatory to have one side of the ISPC link configured with SMAS=YES and the other side with SMAS=NO. SMAS must be YES on the side of the ISPC link where the data interface is configured with the auto dialing capability.	
SREF	1-9999999	ISDN Semi Permanent Connection (ISPC) Reference Number The ISPC reference number is defined by Telecom administration at the time of subscription. The response is limited to seven digits. When REQ=NEW, the number given must be different than all the other ISPC reference numbers already associated to other Phantom trunk TNs.	ispc-22
STRI		Start arrangement Incoming Your response to STRI determines which type of signaling will be used by the trunk to initiate digit sending or collection. Your STRI response should reflect the type of operation in use at the near end.	basic-5

Prompt	Response	Comment	Pack/Rel
DDL		Delayed Dial The terminating trunk returns an off-hook to the originating trunk, which is interpreted as an instruction not to send digits immediately. This delay allows the terminating end to find and attach digit collections equipment. When the equipment is attached, the terminating end returns on-hook which is interpreted as a signal to start sending digits. For this application on incoming calls, the Meridian SL-1 sends a non-programmable 256-384 ms pulse. For outgoing calls, the Meridian SL-1 expects a delay-dial pulse from the far end to terminate before sending digits. Some types of delay-dial operation can also be accommodated by the IMM option.	
IMM		Immediate The terminating trunk is not expected to return a pulse telling the originating end to begin sending digits. In this application for incoming calls, the Meridian SL-1 returns a 256-384 ms off-hook/on-hook wink to the far end. This wink accommodates certain types of delay-dial operation. For outgoing calls, the Meridian SL-1 starts a 300 ms timer when the outgoing trunk is seized. Digits are sent out when an off-hook/on-hook wink returned from the far end ends, or when the 300 ms timer expires (whichever occurs first).	
OWK		Off-Hook Wink for RLR trunks equipped with signaling converter This mode of operation is similar to wink except that the Meridian SL-1 waits one second after seizure before sending a wink start pulse. This arrangement applies only to release link remote trunks.	
PTSD		Proceed to Send for CEPT L1 signaling Allowed only for Tie trunk using WR4 signaling.	basic- 20
RT		RON/TRON start arrangement to be sent by the near end PABX upon reception of an Incoming Seize	basic-20

LD 14

Prompt	Response	Comment	Pack/Rel
	WNK	Wink or Fast Flash The terminating trunk sends an off-hook/on-hook wink as in DDL operation. However, in WNK operation the pulse is interpreted as a signal that digit collection equipment has been attached. The pulse is expected to be of 140-290 ms duration. For this application, the Meridian SL-1 first waits 128-256 ms after seizure and then returns a 256 ms pulse to the far end. After this , the Meridian SL-1 is ready to collect digits. On outgoing calls, the Meridian SL-1 waits until the wink pulse is finished before sending digits.	
	SACK	Seize Acknowledge for CEPT L1 signaling Allowed only for Tie trunk using WR4 signaling.	basic-20
STRO		Start arrangement Outgoing Your response to STRO determines which type of signaling will be used by the trunk to initiate digit sending or collection. Your STRO response should reflect the type of operation in use at the far end.	basic-5
	DDL	Delayed Dial	
	IMM	Immediate	
	OWK	Off-Hook Wink for RLR trunks equipped with signaling converter	
	PTSD	Proceed to Send for CEPT L1 signaling Allowed only for Tie trunk using WR4 signaling.	xpe-20
	RT	RON/TRON start arrangement to be received by the near end PABX after an outgoing seize has been sent	xpe-20
	SACK	Seize Acknowledge for CEPT L1 signaling Allowed only for Tie trunk using WR4 signaling.	xpe-20
	WNK	Wink or Fast Flash	

Prompt	Response	Comment	Pack/Rel
STYP		Supervision Type. STYP is prompted when SUPN = YES. Prior to Release 22: For EPE equipment, only one response of PSP, PIP or BST will be accepted. For IPE equipment or with XUT/EXUT, only one of BST, PIP, JDID, or JCO will be accepted. For XCOT, STYP will accept up to two responses. The responses BAT, ARF and LBS are mutually exclusive. However, BTS can be used with any one of the aforementioned three responses. For Release 22: When BTD and Japan packages are equipped, BTS can be assigned to an XUT card. For Japan, TYPE = COT, SIGL = LOP, SUPN = YES, STYP = JCO BTS or TYPE = DID, SIGL = LOP, SUPN = YES, STYP = JDID BTS.	basic-20
	ARF	ARF supervised trunks. Must have XCOT LOP trunks.	
	BAT	Battery Supervised COT. Must have XCOT LOP trunks.	
	BST	Both Supervised Trunk Incoming and Outgoing supervised LOP CO/FEX/WATS trunk (QPC330/XUT/EXUT). BST and PIP are mutually exclusive.	
	(BTS)	Busy Tone Supervision. BTS is the default when XTRK = XCOT. Must have XCOT LOP trunks. BTD package must be equipped. Prior to x11 release 22, BTS could not be configured with either BST or PIP. In x11 release 22, BTS can be configured with any one of PIP, BST, JCO or JDID.	
	(PSP)	Polarity Sensitive Pack. PSP is the default when SIGL = GRD. Outgoing supervised LOP or GRD start CO/FEX/WATS trunk (QPC218/XUT/EXUT)	

LD 14

Prompt	Response	Comment	Pack/Rel
	JCO	Japan CO trunk. Must have Japan Central Office Trunks (JPN) package 97 with LOP trunks (XUTJ). For X11 Release 22, JCO and BTS are no longer mutually exclusive.	
	(JDID)	Japan DID trunk. JDID is the default when the trunk is a LOP DID trunk. Must have Japan Central Office Trunks (JPN) package 97. As of Release 22, JDID is no longer automatically displayed.	
	LBS	Loop Break Supervision. Must have XCOT LOP trunks.	
	(PIP)	Polarity Insensitive Pack. PIP is the default when SIGL = LOP. Outgoing supervised Loop start CO/FEX/WATS trunk (QPC330/XUT/EXUT). PIP and BST are mutually exclusive.	
SUPN	(NO) YES	Answer and disconnect supervision required SUPN must = YES for a COT with Virtual Network Service. For ground start trunks disconnect supervision is detected even if SUPN = NO. The operation of answer supervision is affected if Federal Communications Commission Compliance for DID Answer Supervision (FC68) package 223 is equipped. SUPN will automatically be prompted YES for DID LOP.	basic-1
SXS	(NO) YES	Step-by-step CO trunk Only prompted for Universal Trunks XTRK or XUT when TYPE = CO. The central office reverses polarity on outgoing calls.	xpe-15
T_TN	I ch	Tandem PRI connection. Where: • Loop = PRI loop number • Channel = PRI channel that holds the outgoing nailed up connection (between 1-23) If the connection exists, both channels are displayed. Prompted if TYPE = TCON.	mph-19

Prompt	Response	Comment	Pack/Rel																								
TGAR	(0)-15 (0)-31 0-(1)-31	Trunk Group Access Restriction: Release 1 to 13 Trunk Group Access Restriction: Release 13 to 21 Where (0) removes existing restriction. Trunk Group Access Restriction The default of (1) automatically blocks direct access.	basic-1																								
TIMP	 (600) 900 1200	Termination Impedance. Prompted if XTRK = XEM or XUT. 600 ohms 900 ohms 1200 ohms Use 1200 ohms for RAN trunks and (600) or 900 for all others. When using the Enhanced Universal Trunk card with Release 19, only 600 or 900 ¼ terminating impedance is allowed. However, more Terminating and Balance impedance (BIMP) combinations are available. The terminating and balance impedance options are: <table><tr><td><u>TIMP</u></td><td><u>BIMP</u></td></tr><tr><td>600</td><td>600</td></tr><tr><td>600</td><td>3COM</td></tr><tr><td>900</td><td>3COM</td></tr><tr><td>900</td><td>900</td></tr><tr><td>900</td><td>3CM2</td></tr><tr><td>600</td><td>3CM2</td></tr></table> For XUT trunks, the Termination Impedance or TIMP must be compatible with the Balance Impedance or BIMP. The following combination of BIMP/TIMP are allowed: <table><tr><td><u>Timp Impedance</u></td><td><u>Bimp Impedance</u></td></tr><tr><td>600 ohms</td><td>3-component or 3com</td></tr><tr><td>900 ohms</td><td>3-component or 3com</td></tr><tr><td>600 ohms</td><td>600 ohms</td></tr><tr><td>1200 ohms</td><td>600 ohms</td></tr></table> For XEM trunks, TIMP must be set to 600. When CLS = JDID, TIMP must be set to 600.	<u>TIMP</u>	<u>BIMP</u>	600	600	600	3COM	900	3COM	900	900	900	3CM2	600	3CM2	<u>Timp Impedance</u>	<u>Bimp Impedance</u>	600 ohms	3-component or 3com	900 ohms	3-component or 3com	600 ohms	600 ohms	1200 ohms	600 ohms	tip/xpe-19
<u>TIMP</u>	<u>BIMP</u>																										
600	600																										
600	3COM																										
900	3COM																										
900	900																										
900	3CM2																										
600	3CM2																										
<u>Timp Impedance</u>	<u>Bimp Impedance</u>																										
600 ohms	3-component or 3com																										
900 ohms	3-component or 3com																										
600 ohms	600 ohms																										
1200 ohms	600 ohms																										
TKID	nnnnnnn	Trunk Identifier Does not have to be unique. Default is no trunk identifier assigned.	basic-6																								

LD 14

Prompt	Response	Comment	Pack/Rel
TN	I s c u	Terminal Number TN cannot be a phantom loop. TYPE must be TIE if this TN is on a Phantom loop. For Meridian: I s c u = loop, shelf, card, unit	basic-1
	c u	Terminal Number format for Option 11	basic-14
	I ch	Loop and channel for digital trunks, where: • I = loop 0-159 or card 1-9 for Option 11 • ch = channel 1-24 for 1.5 Mb/s DTI/PRI or 1-30 for 2.0 Mb/s DTI/PRI. Loop and channel when TYPE = RDC or VDC: • I is loop 0-159, or 1-9 (Option 11) • ch = channel 1-15, 17-31. TN is not prompted for Option 11 models .	
TOTN	I s c u	To Terminal Number. TOTN is prompted when REQ = MOV. TOTN cannot be a phantom loop. General TN format For Meridian: I s c u = loop, shelf, card, unit	basic-1
	c u	Option 11 TN format	basic-7
	I ch	New loop and channel for digital trunks. For DTI2/JDMI, loop = 0-159 and channel = 1-30. For TYPE = RDC or VDC, I = loop 0-159 or 1-9 (Option 11) and ch = channel 1-15, 17-31. TOTN is not prompted for Option 11 models .	
TYPE	ADM	Add-on Data Module data block	basic-1
	ADM M	Data port interfacing with a data line card Option 11 Model	
	AID	Automatic Identification of Outward Dial (AIOD) trunk data block. Not supported on Release 20 and later.	
	AWR	Automatic Wake Up RAN/Music trunk data block.	

Prompt	Response	Comment	Pack/Rel
	AWR M	Applies to Release 10 and later Option 11 Model	
	CAA	Common Control Switching Arrangement (CCSA)	
	CAA M	Automatic Number Identification (ANI) trunk data block Option 11 Model	
	CAM	CAMA trunk data block	
	CAM M	Option 11 Model	
	CBCT	NI-2 CBC trunk	
	COT	Central Office Trunk data block	
	COT M	Option 11 Model	
	CSA	Common Control Switching Arrangement access line data block	
	CSA M	Option 11 Model	
	DIC	Dictation trunk data block	
	DIC M	Option 11 Model	
	DID	Direct Inward Dial trunk data block. For an ISPC link when SDCH = YES, TYPE = DID	
	DID M	Option 11 Model	
	FEX	Foreign Exchange trunk data block	
	FEX M	Option 11 Model	
	FGDT	Feature Group D Trunk data block	
	ISA	Integrated Services Access trunk data block. Also called Call-By-Call service trunk type. There is no provision against the use of non-QPC237 trunk types for the analog ISA service route. Only TIE and ISA trunks are applicable for directly connecting SL-1 PBX to SL-1 PBX.	
	MCA	Meridian Communications Adapter. Release 18	
	MCA M	Option 11 Model	
	MCU	Meridian Communications Unit. Release 19 and later	

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Prompt	Response	Comment	Pack/Rel
	MDM	Modem/Data Module data block.	
	MDM M	Data port interfacing with QPC60 500/2500 type card. Option 11 Model	
	MUS	Music trunk data block	
	MUS M	Option 11 Model	
	PAG	Paging trunk data block	
	PAG M	Option 11 Model	
	R232	NT7D16 Data Access Card (DAC) port in RS-232 Data mode data block (Release 18 and later)	
	R232 M	Option 11 Model	
	R422	NT7D16 Data Access Card (DAC) port in RS-422 Data mode data block. (Release 18 and later)	
	R422 M	Option 11 Model	
	RAC	Real Analog Channel data block	
	RAN	Recorded Announcement trunk data block	
	RAN M	Option 11 Model	
	RCD	Recorder trunk data block	
	RDC	Real Digital Channel data block	
	RLM	Release Link Main trunk data block	
	RLM M	Option 11 Model	
	RLR	Release Link Remote trunk data block	
	RLR M	Option 11 Model	
	TCON	Tandem Connection for MPH and PRI connections Release 19	
	TIE	TIE trunk data block	
	TIE M	For an ISPC link when SDCH = NO, TYPE must be TIE. Option 11 Model	
	VAC	Virtual Analog Channel data block	
	VDC	Virtual Digital Channel data block	

Prompt	Response	Comment	Pack/Rel
	WAT WAT M	Wide Area Telephone Service trunk data block Option 11 Model	
XDIC	(MUT) NOR	Mute outpulsing for DIC trunks Normal outpulsing for DIC trunks	xpe-15
XTRK		Extended trunk. Prompted for superloops when defining the first unit. Packages 97 and 294 must be equipped.	tip/xpe-19
	EXUT XCOT	Enhanced Extended Universal Trunk (Rel 19 & later) Extended CO trunk card. Type must be COT or DID. If one or more units are to be used on a PPM route, then unit 0 must be defined as a PPM route member. If not, PPM will not function for any other unit on the card.	
	XDID XEM XFEM XUT	Extended DID trunk card Extended E & M trunk card Extended Flexible E & M trunk card Extended Universal Trunk card	